



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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SERIAL NUMBER	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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08/117,396 09/03/93 LICKTON

R LICK:008

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CSM1/0519

EXAMINER  
SCHUEPPEL, R

ART UNIT PAPER NUMBER

3506

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DATE MAILED: 05/19/94

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

- ☒ This application has been examined ☐ Responsive to communication filed on \_\_\_\_\_ ☐ This action is made final.

A shortened statutory period for response to this action is set to expire 3 month(s), \_\_\_\_\_ days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited by Examiner, PTO-892. | 2. <input checked="" type="checkbox"/> Notice re Patent Drawing, PTO-948.        |
| 3. <input checked="" type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449.      | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152. |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474.     | 6. <input type="checkbox"/> _____  |

Part II SUMMARY OF ACTION

1. ☒ Claims 1-19 are pending in the application.

Of the above, claims \_\_\_\_\_ are withdrawn from consideration.

2. ☐ Claims \_\_\_\_\_ have been cancelled.

3. ☐ Claims \_\_\_\_\_ are allowed.

4. ☒ Claims 1-19 are rejected.

5. ☐ Claims \_\_\_\_\_ are objected to.

6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

7. ☒ This application has been filed with informal drawings under 37.C.F.R. 1.85 which are acceptable for examination purposes.

8. ☐ Formal drawings are required in response to this Office action.

9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_. Under 37 C.F.R. 1.84 these drawings are ☐ acceptable, ☐ not acceptable (see explanation or Notice re Patent Drawing, PTO-948).

10. ☐ The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_ has (have) been ☐ approved by the examiner, ☐ disapproved by the examiner (see explanation).

11. ☐ The proposed drawing correction, filed on \_\_\_\_\_, has been ☐ approved, ☐ disapproved (see explanation).

12. ☐ Acknowledgment is made of the claim for priority under U.S.C. 119. The certified copy has ☐ been received ☐ not been received  
☐ been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_

13. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.

14. ☐ Other

EXAMINER'S ACTION

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**Part III DETAILED ACTION**

1. The drawings are objected to under 37 C.F.R. § 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the mechanism by which the extended end of the said first plate prevents movement of the said first head without rotating the chain link approximately orthogonal to an adjacent interconnected chain link as called for in the instant claims 6-15 must be shown or the feature cancelled from these claims. No new matter should be entered.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 2, 5-9, 12-17 and 19 are rejected under 35 U.S.C. § 102(e) as being clearly anticipated by Wu '730. In making these rejections, the examiner has not taken into consideration the features called for in some of the instant claims which are objected to as hereinabove said because they are not shown in the drawings.

4. The following is a quotation of 35 U.S.C. § 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that

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the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

5. Claims 3, 4, 10, 11 and 18 are rejected under 35 U.S.C.

§ 103 as being unpatentable over Wu '730 in view of Ohnishi. Wu '730 discloses all of the features claimed in the instant claims except for provision of the pin heads to be flush with the outer surfaces of the plates and for laser welding of the pins to the plates. Ohnishi discloses that it is old to laser weld the pins to the plates of a chain (Abstract) in a flush manner as shown by Fig. 2. Accordingly, it is deemed by this examiner that it would have been obvious to one of ordinary skill in this art at the time of the invention and having a knowledge of these references, and when considering the prior art as a whole, to have used a laser to weld a flush mounted pin in a plate as taught by Ohnishi in the chain designed according to the teachings of Wu '730 for the purpose of making secure the pins to the plates. In making these rejections, the examiner has not taken into consideration the features called for in the instant pertinent claims also addressed above as containing insufficient drawing disclosure.

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6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. In particular are cited Schaefer, Palmros, Montano, Kuenzig et al, Templin, Weis, Wu '416 and Wang as all disclosing power transmission chains having features similar in many respects to specific features of the instant application.

7. Any inquiry concerning this communication should be directed to examiner Dr. Roger Schoepfel at telephone number (703) 308-2168.

  
ROGER SCHOEPPFEL

Schoepfel/rjs  
May 16, 1994